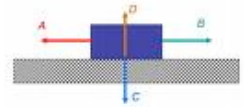


Forces Test Study Guide



Read Chapter 10 (Forces) – sections 1-4 – Pages 374 through 407

Chapter 10 Study Guide: Page 406 – **Big Idea, Key Concepts, and Key Terms**

Study textbook homework questions:

- Chapter 10, Section 1 Assessment – Page 377
- Chapter 10, Section 2 Assessment – Page 388
- Chapter 10, Section 3 Assessment – Page 392
- Chapter 10, Section 4 Assessment – Page 399
- Review and Assessment – Page 407 (1 – 10)
- Standards Practice – Page 409 (1 – 7)

Study Classroom Notes:

- Forces
- Formulas and Units

Know the following key terms:

air resistance	freefall	net force	satellite
balanced forces	friction	Newton	static friction
centripetal force	gravity	projectile	unbalanced forces
compression	inertia	rolling friction	weight
fluid friction	mass	sliding friction	
force	momentum	tension	

Be able to use formulas and calculate word problems for the following: (use correct units)

- speed
- velocity
- forces
- momentum
- weight

- Be able to identify the units used for the following:

acceleration	force	mass	Newton	time
distance	gravity	momentum	speed	weight

- Know the difference between balanced forces and unbalanced forces and how they affect motion
- Know Newton's 3 Laws of Motion and be able to identify which Law is represented when given either examples or descriptions
- Know that changes in velocity may be due to changes in speed, change in direction, or both
- Know that acceleration includes a change in speed (increase or decrease) and/or a change in direction